

This thesis is a research which proposes a decision supporting system for production planning in a chicken processing plant. The system is developed on a personal computer and contains two sub-systems which are related to each other, a database management system and a production planning system.

The production planning system utilizes data from the database management system. Whereas the criteria for planning are acquired from the knowledge of the expert. This knowledge base will provide the rules for production and the selection priority for the purchasing order.

The building system will reduce planner's skills requirement, planning time, and provide an accurate production planning which complies with company production management policy. Moreover, a simple but well-organized database management system is implemented such that it offers fast and easy data retrieval.